

Universidad Técnica Nacional  
Software Engineering  
ISW-211, Programming 1

## **Rent Car**

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## Introduction

The current program will have the purpose of creating a Rent Car, using the Java programming language, which will have what has been learned in the classes.

Now, the goal of this program is to entertain the user; How will it be achieved?

We perform a series of methods, a database to store all the information that the user uses, comes with a series of conditions that are achieved.

To make our database use PostgreSQL, you can ask what it is for, but it works to store the data; to create the information stored in a table that has two indexes to access its elements, we can represent it as a table of rows and columns, with this we will have our information, in which we obtain:

Models of Cars, Styles, different brands.

## Description of the problem.

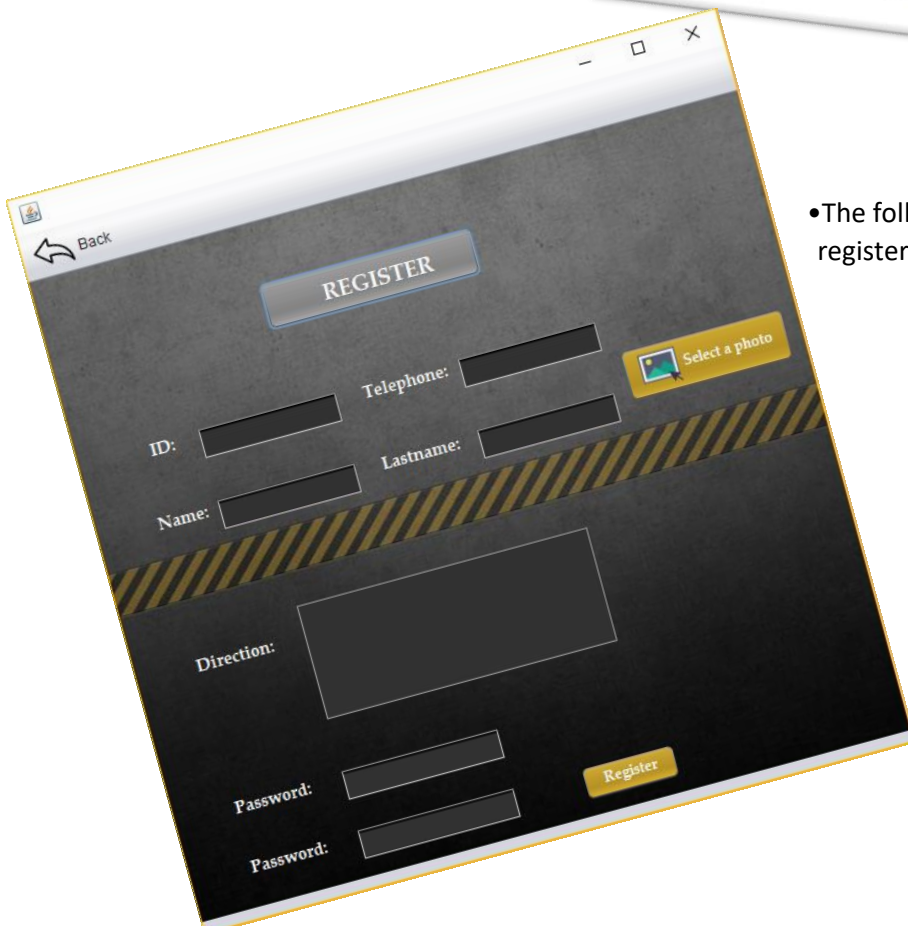
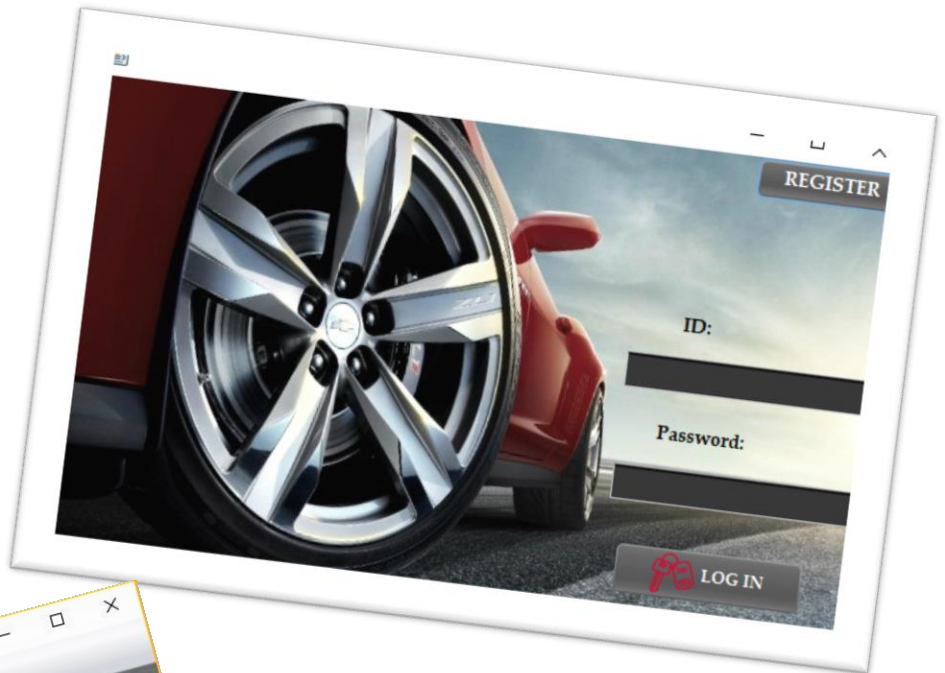
A program was made that could apply the knowledge and practiced in class, as well as a database to store the information that will be displayed.

The development of the application consists of the following: The user registers to obtain the information and can rent a car to obtain it for days and will see the price of the rent, and may obtain additional items that have a daily price, such as gps, booster, baby seats only the administrator can modify, delete and add vehicles and the amount that are available.

## Problem solution.

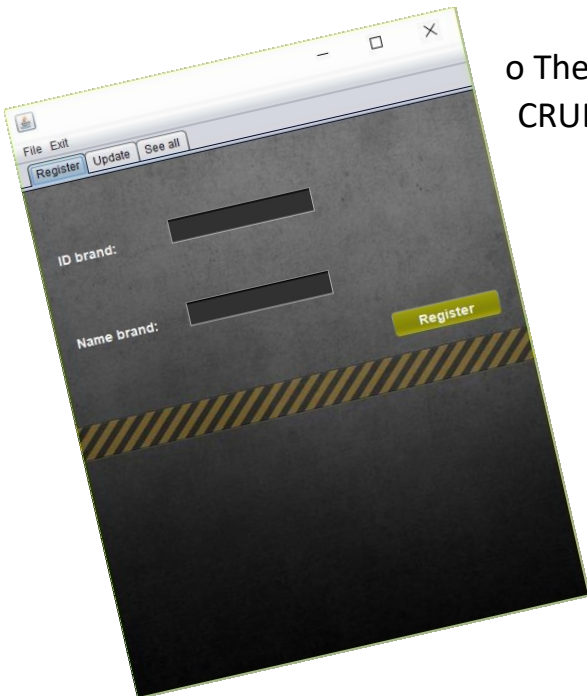
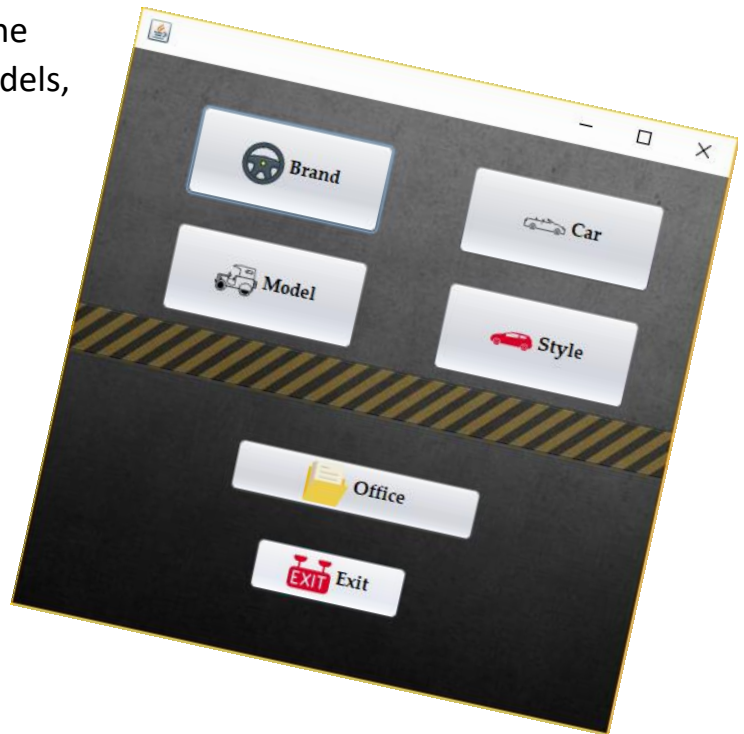
This is how the application works.

- Our first option for registered users is to log in, if you are not pressing the plus button (**register**) where they will take you to the next window.



- The following window shows the way to register

- The third window shows where the administrator accesses to place models, styles, offices, cars, brand and exit.

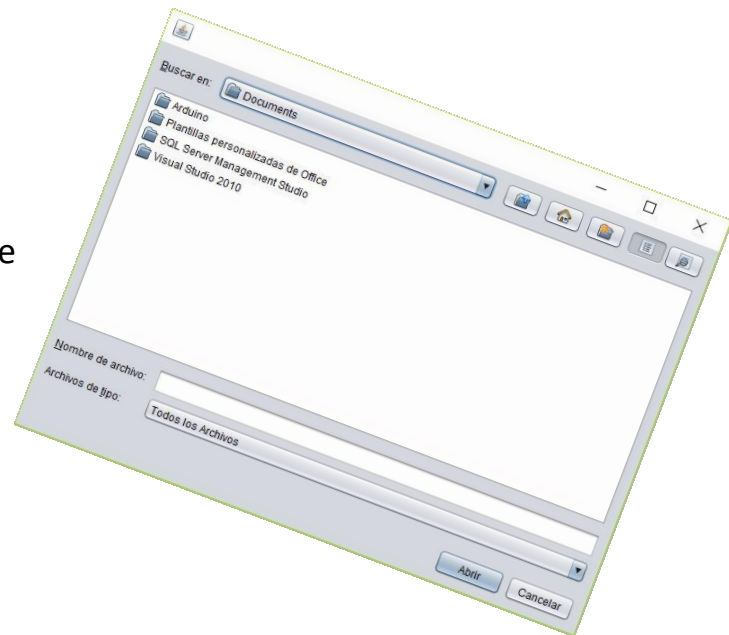


- o The administrator can modify, delete, add in the CRUD windows



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- The administrator adds photos of the models that are there.



- The user chooses the model, the office where he picks up the car, the date and time, and also the additional items that have the daily cost

A screenshot of a web form for car rental booking. The form has a dark background with yellow and black diagonal stripes as a separator. It includes dropdown menus for vehicle and office selection, date and time pickers for both pickup and return, and three dropdowns for additional items. A 'Total' label and a confirmation button with a checkmark are at the bottom.

Select Vehicle:

Select Office:

Select Date and Time:

*Please Indicate where, date and time of vehicle removal*

Select Date and Time:

*Please Indicate date and time of return of the vehicle*

Additional items:

Item 1  Item 2  Item 3

Total :

## Conclusion

In conclusion, the project was carried out in an excellent manner, covering most of the requirements that were requested. The development of this application allowed the two members to learn in depth the concepts and objects learned and with more depth the database, for the structure of the program, the teamwork was done effectively, we always worked together, they took into account everyone and they did a good job

We reinforce our skills for the execution of projects.

The result could have been better, but due to stories like time, they could not reach all the proposed objectives; In terms of interfaces, they are quite clear, they have an aspect that attracts a lot of attention from any external user; In terms of the application is dynamic for users by the changes of colors in the buttons.

The result was intermediate, but it could have been better, without a doubt it was learning to learn and practice.



## Recommendations

- Understand the advertised, to be able to start the project correctly
- Ask the teacher for process suggestions
- Start from the moment the project is delivered
- Ask the teacher any questions
- Finish as soon as possible